


**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

		Application Number	10/654,163
		Filing Date	09/03/2003
		First Named Inventor	Timothy J. Guzi et al.
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	6	Attorney Docket Number	OC01620K

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	References (24) ; Post Card
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Palaiyur S. Kalyanaraman, Reg. No. 34,634
Signature	
Date	12/11/2003

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: _____

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

X

Applicant(s): **Timothy J. Guzi et al.**

Group Art Unit:

Serial No.: **10/654,163**

Examiner:

Filed: **09/03/2003**

Attorney Docket No. : **OC01620K**

For: **"Novel Pyrazolopyrimidines as Cyclin Dependent Kinase Inhibitors"**

X

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, it is requested that the documents listed on the accompanying PTO-1449 Form be considered and made of record in the above-identified patent application. Copy(ies) of these references are attached were filed in related application U.S. Serial No(s) _____ filed _____, respectively.

(b) **No fee is believed due because:**

- This Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- This Information Disclosure Statement is being concurrently filed with the above-identified application.
- This Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).
- This Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.

(c) This Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and

- Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or

December 11, 2003

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The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

(d) This Information Disclosure Statement is being filed on or before the payment of the issue fee; and

Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or

No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 19-0395, Patent Case No. OC01620K. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,
SCHERING-PLOUGH CORPORATION

By:


Name: **Palaiyur S. Kalyanaraman**
Reg. No.: **34,634**
Attorney of Record
Telephone No.: (908) 298-5068

Dated: 12/11/2003
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DEC 15 2003

Sheet 1 of 1

FORM PTO-1460 (AUG-87) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: OC01620K	APPLICATION NO.: 10/654,163		
				APPLICANT: Timothy J. Guizet al.			
				FILING DATE: 09/03/2003	GROUP:		
		U.S. PATENT DOCUMENTS					
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE	
AA	US 5,571,813	11/05/1996	Rühter et al.				
AB	US 5,602,136	02/11/1997	Rühter et al.				
AC	US 5,602,137	02/11/1997	Rühter et al.				
AD	US 5,688,949	11/18/1997	Inoue et al.				
AE	US 5,707,997	01/13/1998	Shoji et al.				
AF	US 5,919,815	07/06/1999	Bradley et al.				
AG	US 6,040,321	03/21/2000	Kim et al.				
AH	US 6,191,131	02/20/2001	He et al.				
AI	US 6,262,096	07/17/2001	Kim et al.				
AJ	US 6,413,974	07/02/2002	Dumont et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	YES NO
AK	EP 0 628 559	04/03/2002	Europe				
AL	EP 1 334 973	08/13/2003	Europe				
AM	WO 02/40485	05/23/2002	PCT				
AN	WO 02/50079	06/27/2002	PCT				
AO	WO 95/35298	12/28/1995	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AP	Vesely et al., "Inhibition of Cyclin-Dependent Kinases by Purine Analogues", <i>Eur. J. Biochem</i> (1994), 224 : 771-786.						
AQ	Kim et al., "Discovery of Aminothiazole Inhibitors of Cyclin-Dependent Kinase 2: Synthesis, X-ray Crystallographic Analysis, and Biological Activities", <i>Journal of Medical Chemistry</i> , Page EST:22.3, A-W.						
AR	Mettey et al., "Aloisines, a New Family of CDK/GSK-3 Inhibitors. SAR Study, Crystal Structure in Complex with CDK2, Enzyme Selectivity, and Cellular Effects", <i>J. Med. Chem.</i> (2003), 46 (2): 222-236.						
AS	Novinson et al., "Synthesis and Antifungal Properties of Certain 7-Alkylaminopyrazolo[1,5- α]pyrimidines", <i>J. Med. Chem.</i> (1977), 20 (2): 296-299.						
AT	Senderowicz et al., "Phase I Trial of Continuous Infusion Flavopiridol, a Novel Cyclin-Dependent Kinase Inhibitor, in Patients with Refractory Neoplasms", <i>Journal of Clinical Oncology</i> (September 1998), 16 (9): 2986-2999.						
AU	Meijer et al., "Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases CDC2, CDK2 and CDK5", <i>Eur. J. Biochem.</i> (1997), 243 :527-536.						
AV	Bible et al., "Cytotoxic Synergy Between Flavopiridol (NSC 649890, L86-8275) and Various Antineoplastic Agents: The Importance of Sequence of Administration", <i>Cancer Research</i> (August 15, 1997), 57 : 3375-3380.						
AW	Shiota et al., "Synthesis and Structure-Activity Relationship of a New Series of Potent Angiotensin II Receptor Antagonists: Pyrazolo[1,5- α]pyrimidine Derivatives", <i>Chem. Pharm. Bull.</i> (1999), 47 (7): 928-938.						
AX	Yasuo Makisumi, "Studies on the Azaindolizine Compounds. XI. Synthesis of 6,7-Disubstituted Pyrazolo[1,5- α]pyrimidines.", <i>Chem. Pharm. Bull.</i> (1962), 10 : 620-626.						
EXAMINER			DATE CONSIDERED				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



Application No.: 10/654,163

Filing Date: 09/03/2003

Applicant: Timothy J. Guzi et al.

Title: NOVEL PYRAZOLOPYRIMIDINES AS CYCLIN DEPENDENT KINASE INHIBITORS

Certificate of Mailing under 37 CFR 1.8

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Palaiyur S Kalyanaraman, Reg. No. 34,634

Typed or printed name of person signing Certificate

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Documents enclosed:

Response Transmittal (PTO/SB/21) - 1pg.

Information Disclosure Statement - 2pgs.

PTO-144 Form - 1pg. (in duplicate)

References (24)

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